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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,477	12/28/2001	Nimrod Megiddo	ARC920010058US1	2173

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EXAMINER

RAYYAN, SUSAN F

ART UNIT	PAPER NUMBER
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2167

DATE MAILED: 06/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/034,477	Applicant(s) MEGIDDO ET AL.	
	Examiner Susan F. Rayyan	Art Unit 2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04182006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4, 8 and 10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 4, 8 and 10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4/18/2006</u> . | 6) <input checked="" type="checkbox"/> Other: <u>copy of IDS 04/062004</u> . |

DETAILED ACTION

1. Claims 4,8,10 are pending. Claims 1-3,5-7,9,11-14 are canceled.

Information Disclosure Statement

2. The Information Disclosure Statement (IDS) filed on April 18, 2006 has not been considered as it was previously submitted on April 6, 2004 and considered on October 29, 2004. A copy of the considered IDS filed on April 6 2004 has been attached the Office Action.

Response to Arguments

3. Applicant's arguments filed April 18, 2006 have been fully considered but they are not persuasive.

Applicant argues the tokens of the present invention have a predetermined meaning and follow a predetermined format including predetermined keywords and identifiers to help improve query processing.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the tokens have a predetermined meaning and follow a predetermined format including predetermined keywords and identifiers to help improve query processing.) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 4,8,10 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang et al. ("Chang") (U.S. Patent 6,704,728 B1).

Regarding claim 10, **Chang** teaches a method, performed by a search engine, comprising:

- a). performing a background routine, during a first amount of time, including:
 - 1). determining tokens (col. 2, lines 56-67);
 - 2). assigning related expressions to each of the tokens to define each of the tokens (col. 9, lines 52-54; col. 5, lines 39-42);
 - 2). searching documents (col. 9, lines 57-60)
 - 4). identifying occurrences of any of the related expressions for any of the tokens in any of the documents (col. 5, lines 24-26; col. 10, lines 65-67; col. 9, lines 52-54); and
 - 5). indexing each of the documents, having at least one of the related expressions for at least one of the tokens, corresponding to the at least one of the tokens (col. 2, lines 24-30; col. 10, lines 19-39); and

b). performing a foreground routine, during a second amount of time substantially less than the first amount of time, including:

- 1). receiving a search query (col. 2, lines 56-59);
- 2). identifying at least one token in the search query (col. 9, lines 16-24);
- 3). finding the at least one token in an index to identify documents, having an occurrence of at least one of the related expressions for the at least one the token, corresponding to the at least one the token (col. 10, lines 19-39); and
- 4). providing information related to the documents (col. 5, line 63 — col. 6, line 2).

Regarding claim 4, Chang teaches a method, performed by a search engine, comprising:

assigning related tokens to one of the tokens to further define the one of the tokens (col.9, lines 52-54; col.5, lines 39-42).

Regarding claim 8, **Chang** teaches a method, performed by a search engine, comprising:

wherein the identifying at least one token further comprises detecting a predetermined character that identifies at least one keyword as the at least one token at col. 9, lines 16-24.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR


only. For more information about the PAIR system, see [http://pair-](http://pair-direct.uspto.gov)

[direct.uspto.gov](http://pair-direct.uspto.gov). Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Susan Rayyan

June 9, 2006


JOHN R. COTTINGHAM
PRIMARY EXAMINER